MB-M-318
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27 June 1961

OXC-1864
COPY 1 OF 2

PROTOTYPE TEST SCHEDULE - SUMMARY:

PROBLEM:

There is a conflict in our original test plan sequence and the presently scheduled start of local flight tests (1 Oct 61).

ORIGINAL TEST PLAN SEQUENCE:

1st - Debug, operate complete, measure "bench" performance on rock & roll without environment.

2nd - Environmental test.

3rd - Modify, RFI test, and local flight preparation.

4th - Local flight test.

25X1A 5th - Clean up and ship [redacted]

25X1A 6th - [redacted] flight test.

This has the virtue of local flight testing a unit as close to that felt to be ultimately delivered. That is, it should be able to work under environmental conditions.

SCHEDULE 1:

This schedule was arranged to obtain the highest probability of meeting a 1 Oct. flight test date with a system in adequate condition to be worth testing. It does not permit environmental or RFI test prior to 1 Oct., and has no allowance for unexpected problems. Changes required to make the system satisfactory in the environment could not be tested locally.

SCHEDULE 2:

This schedule is an attempt to provide reasonable contingency and the original test plan sequence.

SCHEDULE 3:

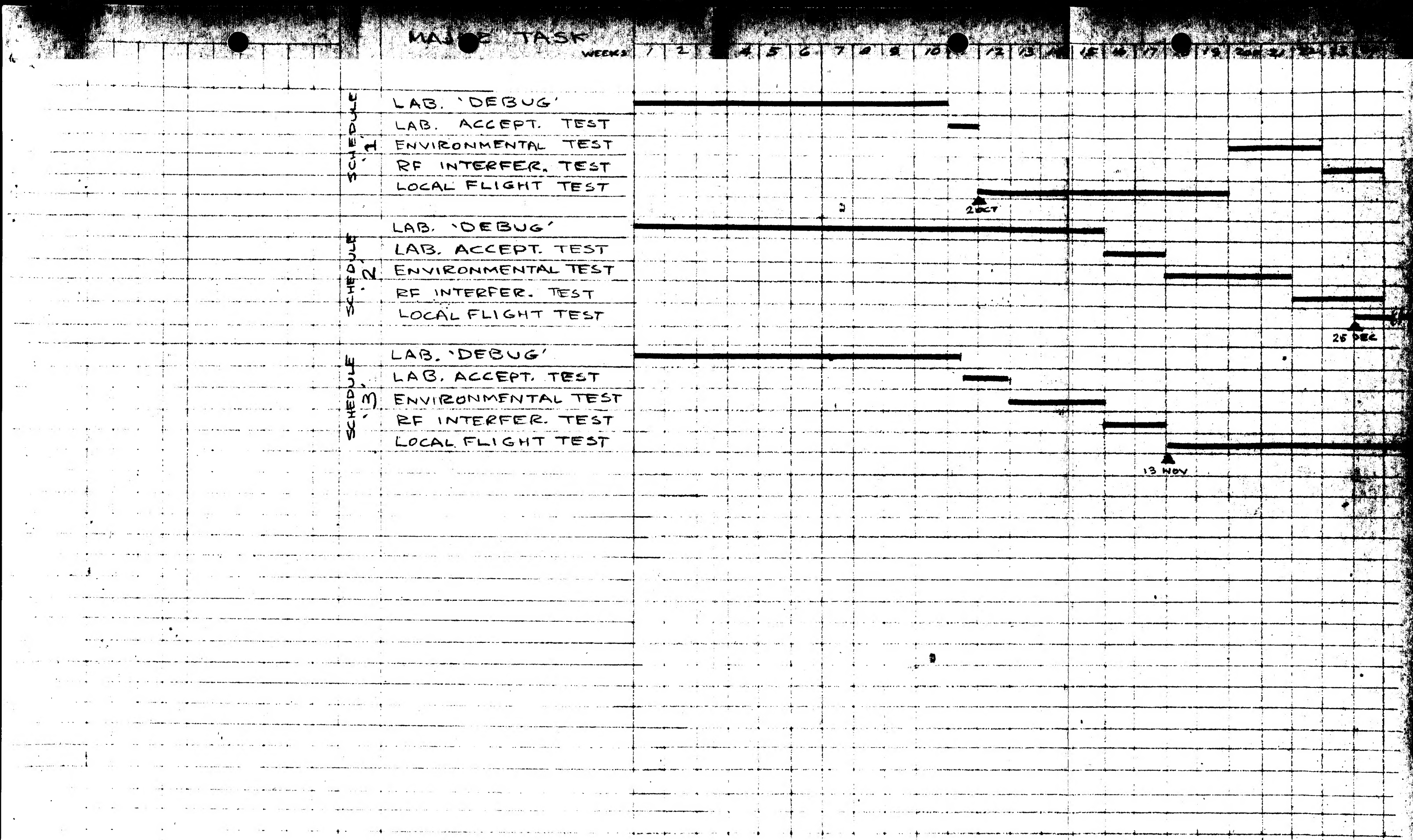
This schedule is identical to #2, but removes all contingency.

RECOMMENDATION:

Schedule 2.

(Concur: RMS and MDR)

MDR
27 June 1961



80 HOUR WEEK BASIS
(2 SHIFTS, DAY & NITE)

SCHEDULE COMPARISON
'1', '2', '3'

MANPOWER · TASK · WEEKS

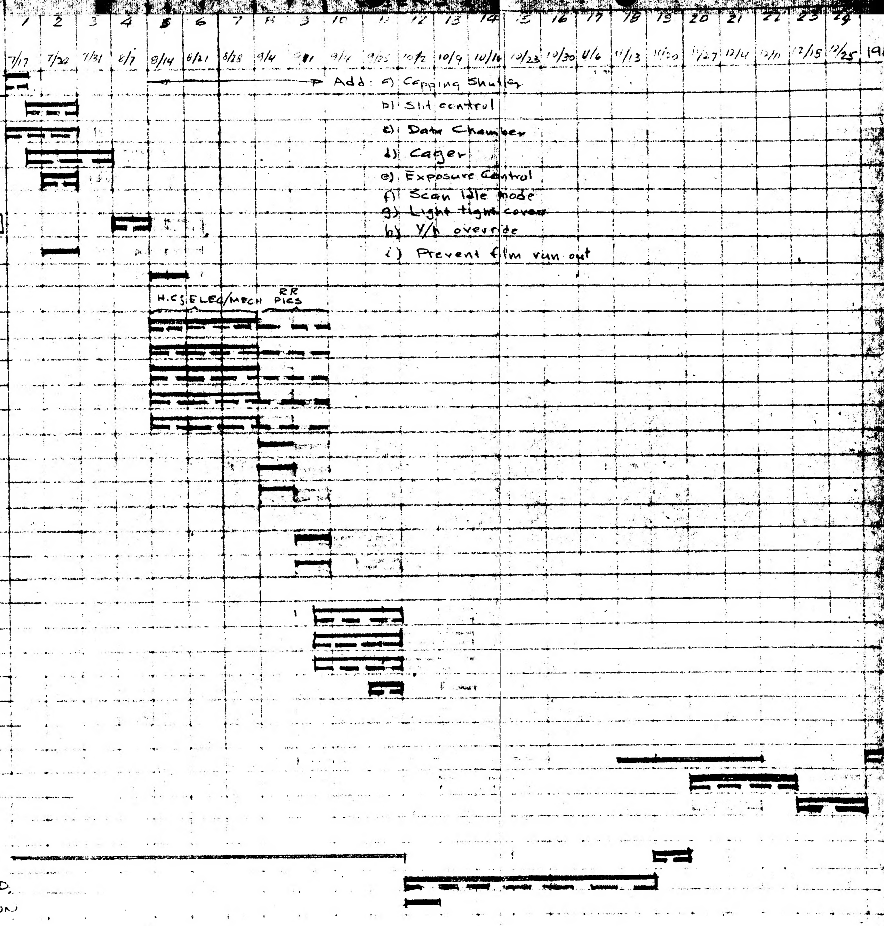
SR ELEC	SR OPT & PHOTO	ENG ASSOC ELEC MECH	ENG ASSOC OPT & PHOT	MOD. SHP ELEC	MOD. SHP MECH	MOD. SHP OPT & PHOTO	DRFTG	CONSULT	ADM.	TEST LOCATION	WK, START
2		2		3			1		1	HC	ON-OFF-STDBY, POWER
2		2		4	1				1	HC	WIRING ERRORS - MAJOR
2		2		2	2		2		1	HC	MECH. INTERFER. - MAJOR
2		2	1	2		2		1	1	HC	FUNCTION [Qualitative Dummy inputs Vibration]
1	1	1			2	2			1	RR	R&R LOADING PROC. (dry run)
	2	2	2	2		3	1		1	RR	STATIC OPT., PICS [Establish std]
1		1		1	1					RR	HEADING REF
		1		1				1		RR	V/h SIGNAL
5	4	12	5	6	5	4	4		1	RR	SCAN PICS (caged): IMC
											SCANNER
											SYNCHRON.
											CAPSTAN
											FILM XPT
2		3		3	1		1		1	HC	STABIL, WGT & BAL, TUNING
										HC	STABIL, FUNCTION
										HC	STABIL, FILM MOVING
2		3		3	2				1	RR	STABIL, R&R OPN
										RR	STABIL, R&R+FILM XPT
5	4	15	5	6	5	4	2		1	RR	PICS: Capstan off, R&R off, Stabil on
										RR	PICS: Capstan on, R&R off, Stabil on
										RR	PICS: Capstan on, R&R on, Stabil on
										RR	PICS: with window

ENVIRONMENTAL

SR ELEC	SR OPT & PHOTO	ENG ASSOC ELEC MECH	ENG ASSOC OPT & PHOT	MOD. SHP ELEC	MOD. SHP MECH	MOD. SHP OPT & PHOTO	DRFTG	CONSULT	ADM.	TEST LOCATION	TASK
1	1	2		3	2				1	ENV	SET-UP & CLEAN UP
2	2	3	2	3	1	1			1	ENV	ENVIRON. TEST
2		4		3	1				1	HC	RFI TEST

LOCAL FLIGHT TESTS

SR ELEC	SR OPT & PHOTO	ENG ASSOC ELEC MECH	ENG ASSOC OPT & PHOT	MOD. SHP ELEC	MOD. SHP MECH	MOD. SHP OPT & PHOTO	DRFTG	CONSULT	ADM.	TEST LOCATION	TASK
2	2	6	4	6	4	2	2		1		PREPARATION & CLEAN UP
3	2	6	3	4	3	2			2	A/C	FLIGHTS (THRU 7) & DATA RED.
											DUMMY PLATFORM, VIBRTN RUN



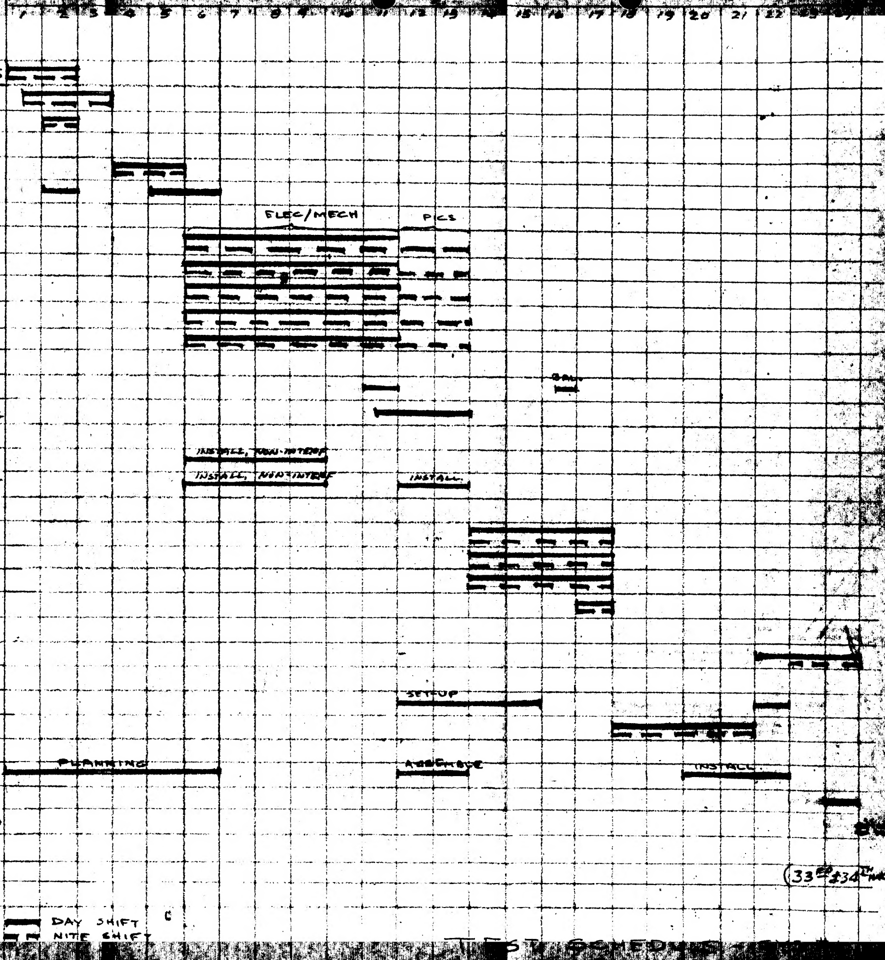
Add: a) Capping Shutter
b) Slit control
c) Data Chamber
d) Cager
e) Exposure Control
f) Scan Idle mode
g) Light tight cover
h) V/h override
i) Prevent film run out

A/C C-119
ENV Environmental Chamber
HC [illegible]

TEST SCHEDULE

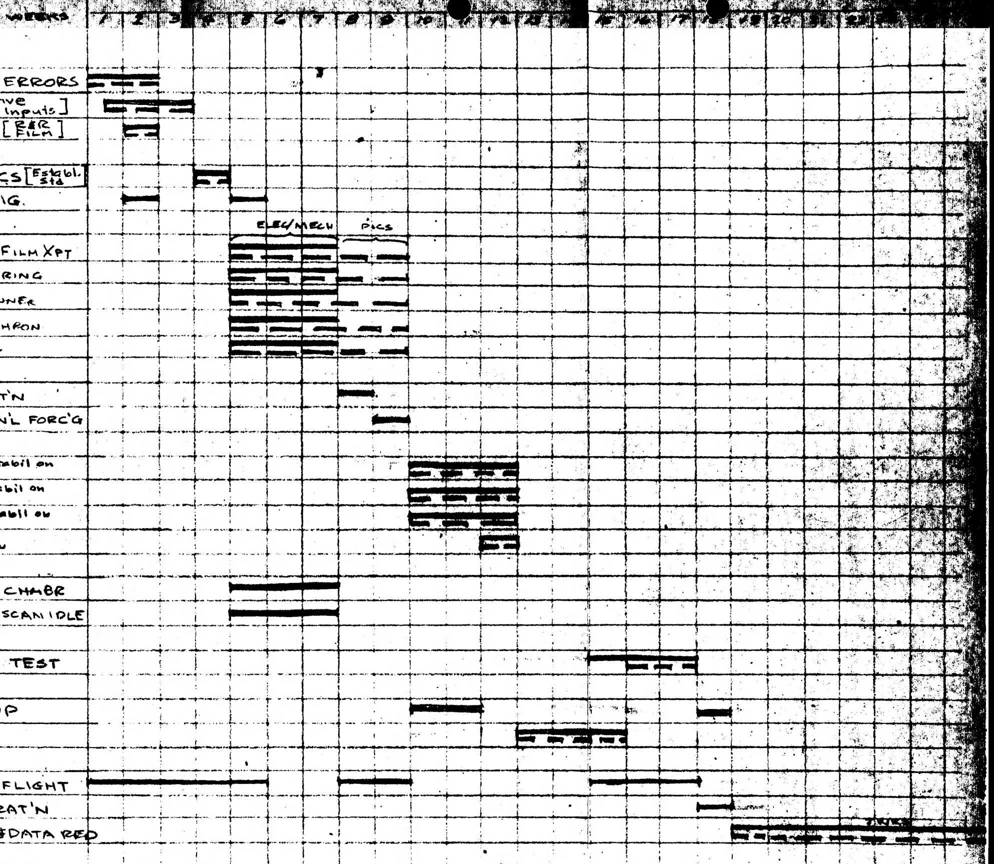
SR EE/ME	SR OPT	EE ME	OPT	ELEC	MECH	OPT	DRFT'G	CONSUL	ADMIN	TEST LOCATION	
2		2		4	3		3		1	HC	ON-OFF, FIX GROSS ERRORS
2		2	1	2		2		1	1	HC	FUNCTION [Qualitative Dummy Inputs]
1	1	1			2	2			1	RR	LOADING PROC. [R&R FILM]
	2	2	2	2		3	1		1	RR	STATIC, OPTICS, PICS [& stabil. sta]
1		2		2	1			1	1	RR	HEADING REF. & V/H SIG
4	4	10	5	4	4	2	2		1	RR & HC	SCAN, PICS (caged): FILM XPT
											METERING
											SCANNER
											SYNCHRON
											IMC
2		3		3	2		1		1	HC	STABIL, BAL, FUNCTION
										RR	STABIL, INT'N'L, & EXT'N'L FORC'G
1		2		2	1		2		1	HC	SHUTTER, SLITS, DATA CHMBR
1		2		2	1		2		1	HC	CAGER, EXP. CNTRL, SCAN IDLE
5	4	12	5	6	5	4	4		1	RR	PICS: FILM XPT OFF STABIL ON R&R OFF
										RR	PICS FILM XPT ON STABIL ON R&R OFF
										RR	PICS FILM XPT ON STABIL ON R&R ON
										RR	PICS: WITH WINDOW
2		4		3	1				1	HC	RF INTER. SET-UP & TEST
1	1	2		3	2				1	ENV	ENVIRON, SET-UP, CLEAN-UP
2	2	3	2	3	1	2				ENV	ENVIRON TEST
2	2	6	4	6	4	2	2		1	HC	PREP. FOR FLIGHT
3	2	6	3	4	3	2			2	A/C	DRY RUN FOR VIBR'T'N
3	2	6	3	4	3	2			2	A/C	FLIGHTS 1 THRU 7 & DATA RED
2	2	4	2	4	3	1	2		1	HC	CLEAN-UP

HC HANDLING CART
RR ROCK & ROLL (ATTITUDE) TABLE



TEST SCHEDULE

ELEC/MECH	OPT	ELEC MECH	OPT	ELEC	MECH	OPT	DRFTG	CONSULT	ADMIN	[illegible] LOC	
2		2		4	3		3		1	HC	ON-OFF, FIX GROSS ERRORS
2		2	1	2		2		1	1	HC	FUNCTION [Qualitative Dummy inputs]
1	1	1			2	2			1	RR	LOADING PROCED. [R&R FILM]
	2	2	2	2		3	1		1	RR	STATIC, OPTICS PICS [Establ. Std]
1		2	.	2	1			1	1	RR	HEAD'G REF & Y/H SIG.
4	4	10	5	4	4	2	2		1	RR & HC	SCAN, PICS (caged): FILM XPT
											METERING
											SCANNER
											SYNCHRON
											IMC
2		3		3	2		1		1	HC	STABIL, BAL, FUNCT'N
										RR	STABIL, INT'N'L & EXT'N'L FORC'G
5	4	12	5	6	5	4	4		1	RR	PICS: Film xpt off R&R off Stabil on
										RR	PICS: Film xpt on R&R off stabil on
										RR	PICS: Film xpt on R&R on Stabil on
										RR	PICS: with window
1		2		2	1		2		1	HC	SHUTTER, SLITS, DATA CHMBR
1		2		2	1		2		1	HC	CAGER, EXP. CNTRL, SCAN IDLE
2		4		3	1				1	HC	RF INTER. SETUP & TEST
1	1	2		3	2				1	ENV	SET-UP & CLEAN-UP
2	2	3	2	3	1	2			1	ENV	ENVIRON. TEST
2	2	6	4	6	4	2	2		1	H.C	PREPARATION FOR FLIGHT
3	2	6	3	4	3	2			2	A/C	DRY RUN FOR VIBRAT'N
3	2	6	3	4	3	2			2	A/C	FLIGHTS 1 THRU 7 & DATA RED



HC HANDLING CART
RR ROCK & ROLL (ATTITUDE) TABLE
ENV [illegible]

▬ DAY SHIFT
▬ ▬ NITE SHIFT